

## **AMENDMENT TO THE CLAIMS**

*A listing of the claims presented in this patent application appears below. This listing replaces all prior versions and listings of the claims in this patent application.*

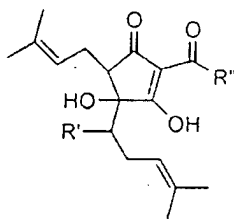
1-3. (Previously Canceled)

4. (Currently Amended) A method for reducing PGE2 mediated inflammation, comprising administering a composition comprising a reduced isoalpa acid (RIAA) and isoalpa acid (IAA) derived from hops, wherein the RIAA and IAA are in a synergistic ratio of about 3:1 to about 1:10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition and wherein the composition has a combination index (CI) of RIAA and IAA of less than 1.

5. (Previously Presented) The method of claim 4, wherein said isoalpa acid is selected from isohumulone, isocohumulone, and isoadhumulone.

6. (Currently Amended) The method of claim 4, wherein said reduced isoalpa acid is selected from dihydro-isohumulone, dihydro-isocohumulone, and dihydro-isoadhumulone.

7. (Previously Presented) A method for reducing PGE2 mediated inflammation, comprising administering at least two compounds of Genus A having the formula:



(Genus A),

wherein R' is selected from the group consisting of carbonyl, hydroxyl, and oxygen;

and wherein R'' is selected from the group consisting of CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, and CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, wherein at least one compound is a reduced isoalpa acid (RIAA) and at least one compound is an isoalpa acid (IAA), wherein the two compounds are in a synergistic ratio of about 10:1 to about 1:10 and wherein said RIAA and IAA individually comprise at least 0.1% of the composition and wherein the composition has a combination index (CI) of RIAA and IAA of less than 1.